

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00544_7 ~ SR2MRX-XT13LE1-XD2FXXK-WDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00544_7_M-13L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 2/21/2017

[UPDATE] 4/19/2017

[LUMCAT] SR2MRx-XT13L-E1-xD2F-xxK-WD-MW-GL

[OTHER] 2' series WD 20l 35k clear lens

[LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Wide Beam

[OTHER] Matte White Trim, clear glass lens

[OTHER] 50.5 Degree Beam Angle

[LAMP] N/A

[LAMPCAT] N/A, Min. 83 CRI

[OTHER] Total Luminaire Watts is approximate

[OTHER] For New Construction Non-IC Housing: SR2MO-XT-series

[OTHER] For New Construction IC Rated Housing: SR2MI-XT-Series

[OTHER] For Remodel/Retrofit Housing: SR2MR-XT-Series

[OTHER] For RD2F or SD2F Downlight Trim

[OTHER] LEDXT lumen output is the same for all available CCT's

[OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1111
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	74
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.82
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.24 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	29628	29836	32591
55	5234	4529	4524
65	1918	2040	1582
75	1338	1849	1507
85	481	0	2643

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1471.801	1471.801	1471.801	1471.801	1471.801
5	1441.843	1440.192	1438.918	1438.066	1439.327
10	1341.684	1338.766	1335.828	1340.358	1336.634
15	1166.672	1164.637	1166.841	1171.092	1170.780
20	944.417	948.226	948.077	950.852	953.725
25	745.433	745.478	746.128	744.796	743.905
30	549.744	548.990	549.185	553.930	550.966
35	354.815	353.229	355.075	356.154	358.345
40	188.636	188.753	188.149	193.336	194.701
45	84.500	83.843	85.091	88.166	92.950
50	19.584	16.659	16.464	15.574	15.788
55	12.109	9.763	10.478	10.530	10.465
60	6.259	6.116	5.791	5.180	4.667
65	3.269	3.425	3.477	3.003	2.697
70	2.548	2.405	2.119	2.262	2.626
75	1.397	1.735	1.930	1.241	1.573
80	0.968	1.040	0.734	0.942	0.864
85	0.169	0.000	0.000	0.000	0.929
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	457.32	N.A.	41.20
0-30	799.01	N.A.	71.90
0-40	1023.46	N.A.	92.10
0-60	1105.19	N.A.	99.50
0-80	1110.45	N.A.	100.00
0-90	1110.77	N.A.	100.00
10-90	976.60	N.A.	87.90
20-40	566.15	N.A.	51.00
20-50	638.25	N.A.	57.50
40-70	85.29	N.A.	7.70
60-80	5.26	N.A.	0.50
70-80	1.70	N.A.	0.20
80-90	0.32	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1110.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	134.18
10-20	323.14
20-30	341.70
30-40	224.45
40-50	72.10
50-60	9.63
60-70	3.56
70-80	1.70
80-90	0.32
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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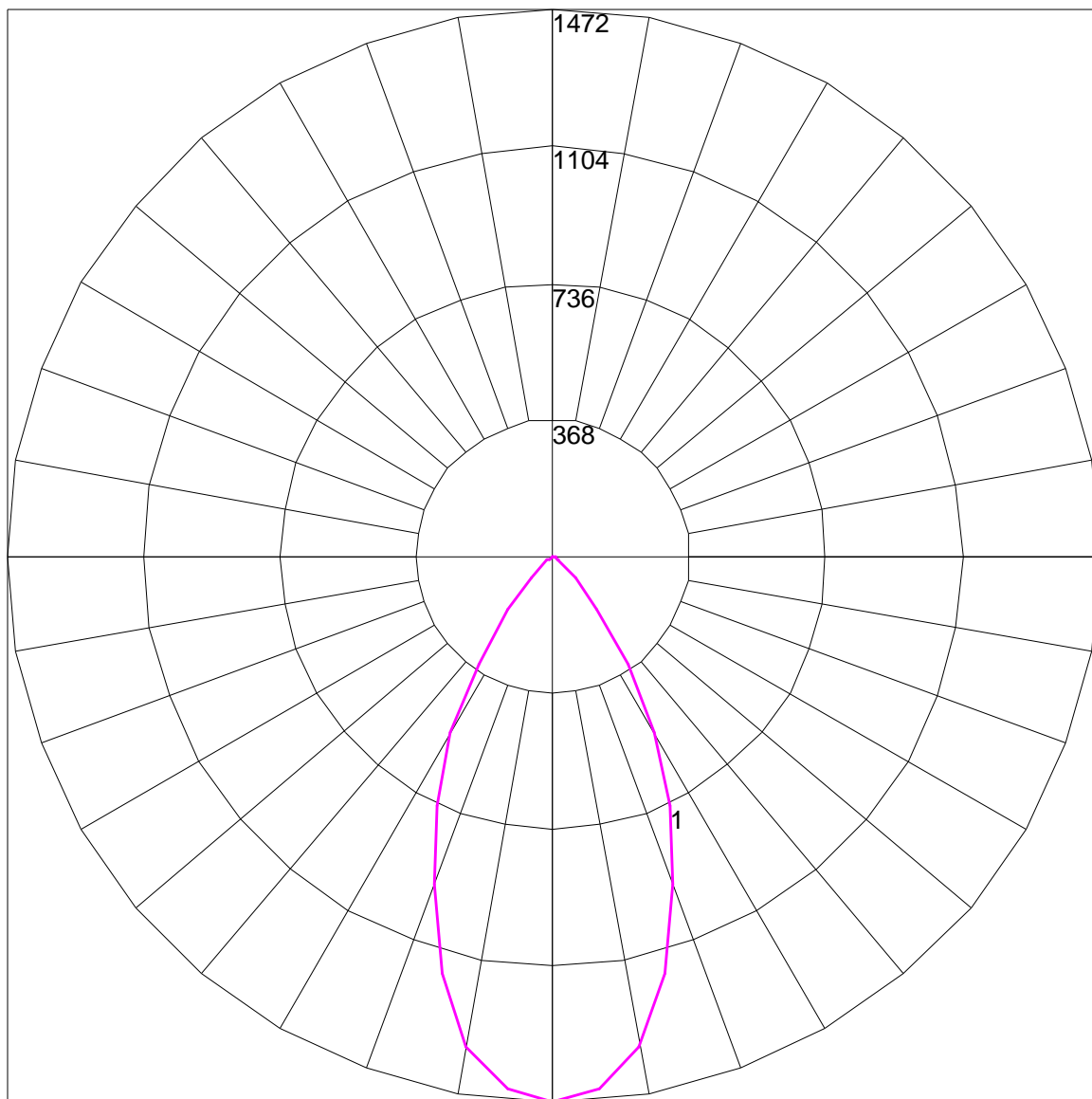
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	80	74	69	87	79	73	69	77	72	69	76	72	68	75	71	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	63	60	67	63	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	55
10	73	63	58	54	72	63	58	54	62	57	54	61	57	54	61	56	53	52

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POLAR GRAPH



Maximum Candela = 1471.801 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)